

Recombinant Human TJP1, GST-tagged

Cat. No. TJP1-240H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TJP1(338 a.a. - 638 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	58.74 kDa
AA Sequence	SNGSLRSRDEERISKPGAVSTPVKHADDHTPKTVEEVTVRNEKQTPSLPEPKPVY AQVGQPDVDLPVSPSDGVL PNSTHEDGILRPSMKLVKFRKGDSVGLRLAGGNDVGI FVAGVLEDSPAAKEGLEEGDQILRVNNVDFTNIIREEA VLFLLDLPKGEEVTILAQKK KDVYRRIVESDVGDSFYIRTHFEYEKESPYGLSFNKGEVFRVVDTLYNGKLGSWL AI RIGKNHKEVERGIIPNKNRAEQLASVQYTLPKTAGGDRADFWFRGLRSSKRNLRK SREDLSAQPVQTKFPAY E
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [TJP1 tight junction protein 1 \[Homo sapiens \(human\) \]](#)

Official Symbol TJP1

Synonyms

TJP1; tight junction protein 1 (zona occludens 1); ZO-1; MGC133289; DKFZp686M05161; zonula occludens 1 protein; tight junction protein ZO-1; 3' partial; zona occludens 1; Zonula occludens protein 1; Tight junction protein 1; OTTHUMP00000174520; zonula occludens 1 protein

Gene ID [7082](#)

mRNA Refseq [NM_003257](#)

Protein Refseq [NP_003248](#)

MIM [601009](#)

UniProt ID [Q07157](#)

Chromosome Location 15q13

Pathway Apoptotic cleavage of cell adhesion proteins; E-cadherin signaling in the nascent adherens junction; Gap junction

Function calmodulin binding; protein C-terminus binding; protein domain specific binding

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